

IN THE CLAIMS:

Please cancel claim 23.

Please amend claims 22 and 24 through 32 as follows:

C1
--22. (Amended) A [gene product from expression by]
method for the production of a protein, which comprises
infecting a culture of eukaryotic cells with a
recombinant vaccinia virus synthetically modified by the
presence, in a non-essential region of the vaccinia genome, of
DNA not naturally occurring in vaccinia and coding for the [gene
product] protein, under conditions suitable to allow expression
of the protein, and
isolating the expressed protein from the cell culture.

C2
24. (Amended) The [gene product] method of claim [23]
22 wherein the protein is an enzyme.

E
25. (Amended) The [gene product] method of claim 24
wherein the enzyme is thymidine kinase.

26. (Amended) The [gene product] method of claim [23]
22 wherein the protein is a glycoprotein.

27. (Amended) The [gene product] method of claim 26
wherein the glycoprotein is herpes simplex virus glycoprotein.

E
28. (Amended) The [gene product] method of claim 26
wherein the glycoprotein is influenza virus hemagglutinin.

E
29. (Amended) The [gene product] method of claim [23]
22 wherein the protein is an antigen.